

## Product datasheet for **TP320703L**

### **HOXA7 (NM\_006896) Human Recombinant Protein**

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human homeobox A7 (HOXA7), 1 mg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC220703 representing NM\_006896  
**Red**=Cloning site **Green**=Tags(s)

MSSSYVNALFSKYTAGASLRFQNAEPTSCSFAPNSQSRSGYGAGAGAFASSTVPGLYNVNSPLYQSPFASGY  
GLGADAYGNLPCASYDQNIPGLCSDLAKGACDKTDEGALHGAAEANFRIYPWMRSSGPDRKRGRQTYTRY  
QTLELEKEFHFNRYLTRRRRIEIAHALCLTERQIKIWFQNRMMKWKKEHKDEGPTAAAAPEGAVPSAAAT  
AAADKADEEDDDEEEEEDEEE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK  
**Predicted MW:** 25.2 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.  
**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.  
**Storage:** Store at -80°C.  
**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  
**RefSeq:** [NP\\_008827](#)  
**Locus ID:** 3204  
**UniProt ID:** [P31268](#)



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RefSeq Size: 2018

Cytogenetics: 7p15.2

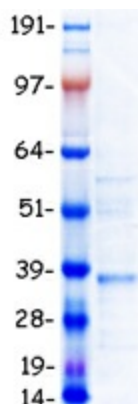
RefSeq ORF: 690

Synonyms: ANTP; HOX1; HOX1.1; HOX1A

**Summary:** In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. For example, the encoded protein represses the transcription of differentiation-specific genes during keratinocyte proliferation, but this repression is then overcome by differentiation signals. This gene is highly similar to the antennapedia (Antp) gene of *Drosophila*. [provided by RefSeq, Jul 2008]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified HOXA7 protein (Cat# [TP320703]). The protein was produced from HEK293T cells transfected with HOXA7 cDNA clone (Cat# [RC220703]) using MegaTran 2.0 (Cat# [TT210002]).